

What is claimed is:

1. In a content-based multimedia data browsing, an user profile information data structure comprises an user-preferred application description scheme for browsing in an user profile in order to provide an user-preferred multimedia browsing method.

2. The user profile information data structure of claim 1, wherein the user-preferred application description scheme stored in the user profile is an application ID, or application locator.

3. The user profile information data structure of claim 2, wherein the application description scheme stored in the user profile further comprises a layout description scheme of applications.

4. The user profile information data structure of claim 1, wherein the number of user-preferred application description schemes stored in the user profile may be plural, and each of the application description schemes further comprises a weight for describing user preference.

5. The user profile information data structure of claim 1 ~~or 4~~, wherein the user-preferred application description scheme stored in the user profile may be a plurality of application description schemes which are different from one another according to the type(genre) of a multimedia data object, and each of the plurality of application description schemes further comprises a weight describing user

preference corresponding to an user feedback.

6. The user profile information data structure of claim 5, wherein each of the user-preferred application description schemes is structured hierarchically, and each part of the description schemes has a weight describing user preference.

7. In content-based multimedia data browsing, a multimedia data browsing method, characterized in that:

10 (a) multimedia data contains a contents description scheme used in indexing/browsing multimedia data;

(b) an user profile includes an user preference description scheme indicating an user-preferred multimedia browsing method or browsing criterion for user-preferred browsing; and

15 (c) multimedia data is browsed by analyzing the user-preferred application description scheme for user-preferred browsing in a corresponding user profile, if the user desires multimedia browsing.

8. The method of claim 7, wherein the user-preferred multimedia data browsing method or browsing criterion are described differently according to the type or genre of multimedia data, and the multimedia data is browsed according to the corresponding description scheme indicating each user-preferred browsing method or browsing criterion.

25 9. The method of claim 7 ~~and 8~~, wherein the user-preferred multimedia

browsing method or browsing criterion is represented as a character-oriented browsing, character/place relation-oriented browsing, time sequential and scene-oriented browsing, or combination thereof.

5           10.     The method of claim 8, wherein the number of browsing methods or browsing criteria described differently according to the type of multimedia data is at least more than one with respect to one type(genre) thereof, and weighted values can be added on each of the browsing methods or browsing criteria, thus analyzing the user-preferred application.

10           11.     The method of claim 7, wherein an application satisfying the user-preferred browsing method or browsing criterion is executed the locator description scheme of the corresponding application, in displaying the corresponding multimedia data.

15           12.     The method of claim 11, wherein, if the proper application for browsing does not exist in the terminal, the corresponding application is downloaded using the locator description scheme.

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